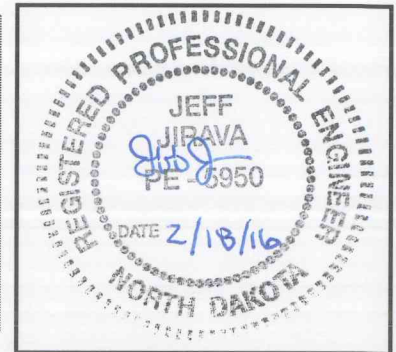


## LINEAR SOILS REPORT AND RECOMMENDATION ADDENDUM

TO:	Darell Arne - Design
FROM:	Jeff Jirava – Materials and Research (Geotechnical)
DATE:	2/18/2016
HIGHWAY:	042.000
PROJECT NUMBER:	SS-7-042(014)000
PCN:	20996
LOCATION:	Junction ND 50 North to East Junction ND 5 – Crosby
SUBJECT:	Addendum do to change in scope from Full Depth Reclamation to HBP Overlay



The above referenced project was originally investigated and evaluated with a Full Depth Reclamation (major rehabilitation) scope. The scope of the project has since changed to a 3 inch hot bituminous pavement (minor rehabilitation) overlay. A linear soils report and recommendation was sent out on 11/23/2015. This report recommended a subcut and reconstruction with geogrid reinforcement for an area due water pumping issues.

This recommendation should be incorporated into the proposed hot bituminous pavement overlay project. This recommendation is as follows (it has been modified to use the top of existing pavement as the datum for the subcut depth):

### Subcut:

Location	Depth
16+1450 to 16+1500	24 Inches below the top of the existing pavement surface.

**Subcut Transition:** 20:1 transitions should be used on both ends of the subcut.

**Geotextile:** Place Geosynthetic Geogrid – Type G on the subgrade prior to placement of aggregate.

**Aggregate Class:** Class 5

**Aggregate Compaction Method:** T-180 – As per section 714.04 A.7